

Project Manual

**Division of Public Works
State Of Idaho
DPW Project No. 08-280**

Informal Bid

for the

Division of Public Works
502 N. 4th Street
Boise, Idaho



Project:


**Paint Towers
Idaho Public Television
Moscow and Jerome, Idaho**

Authorization to Bid

DPW Project No.

08280

 Responsible Chief Officer

 Administrator of Public Works

PRK
7/23

August 5, 2009

August 5, 2009

REQUEST FOR INFORMAL BIDS

DPW Project No. 08-280

Paint Towers

Idaho Public Television
Moscow and Jerome, Idaho

The State of Idaho, Division of Public Works, will receive informal bids for the above project at the Moscow DPW Field Office, 875 Perimeter Drive, Moscow, Idaho until 2 P.M. local time on August 18, 2009.

The work shall include labor and materials required to repaint the existing antenna towers of IPTV located in Moscow and Jerome, Idaho as shown on the attached drawings and specifications.

A pre-bid walk through on site will be held at the Moscow site on August 11 at 2 P.M. Meeting participants will meet at the corner of Palouse River Drive and Paradise Ridge Road. An on-site inspection of the Moscow tower may be scheduled with Ken Segota, Chief Engineer (208) 874-2626.

An on-site pre-bid inspection of the Jerome tower may be scheduled with Craig Koster, Chief Engineer (208) 373-7220.

Informal bids shall be based on provisions of §44-1001 and 44-1002 of the Idaho Code dealing with labor preference, §72-1717 dealing with alcohol and drug-free workplace, and Executive Order 2009-10 prohibiting the employment of persons not legally residing in the United States.

The contractor will be required to maintain Contractors Liability Insurance to include Workman's Compensation (statutory), Employers Liability (\$100,000 minimum) and Comprehensive General Liability (minimum of \$500,000 combined single limits for bodily injury and property damage). Include a certificate of insurance with the informal bid.

The contractor will be required to coordinate his work with DPW Field Representatives, Mark Schlickemeyer (Moscow) and Ken Gardner (Jerome).

All work is to be accomplished in the fall months of 2009, within 90 calendar days from receipt of a Letter Contract and Notice to Proceed. Failure to perform the work within this established time period will be grounds for withholding an appropriate amount of the compensation as damages for the delay.

Contractors and Specialty Contractors must have a Public Works Contractors license as suitable for work to be accomplished on this contract.

The Contractor agrees to pay all state sales and use taxes.

A performance bond and labor and materials payment bond each in the amount of one hundred percent (100%) of the contract amount will be required for work accomplished on this contract prior to the start of any work.

Plans, specifications, proposal forms and other information are available at the office of Castellaw Kom Architects/ 850 Main Street/ Lewiston, Idaho 83501/ Phone: (208) 746-0183.

INFORMAL BID

DPW Project No. 08-280
Paint Towers
Idaho Public Television
Moscow & Jerome, Idaho
Division of Public Works
Boise, ID

Base Bid:

The undersigned proposes to do the above work in accordance with the request for informal bids and all drawings and specifications attached thereto to complete all work associated with the Moscow Tower.

The Bidder agrees to commence work upon receipt of a letter of contract and Notice to Proceed, and to complete the work within 90 calendar days thereafter. Bidder proposes to perform the work for _____ Dollars (\$_____).

Alternate No. 1:

The undersigned proposes to do the above work in accordance with the request for informal bids and all drawings and specifications attached thereto to complete all work associated with the Jerome Tower.

The Bidder agrees to commence work upon receipt of a letter of contract and Notice to Proceed, and to complete the work within 90 calendar days thereafter. Bidder proposes to perform the work for _____ Dollars (\$_____).

Dated this _____ day of _____.

Respectfully submitted,

By: _____
(Company Name)

Subcontractors:

Electrical (if required)

(Business Address)

(Signature)

(Title)

(Telephone Number)

(FAX Number)

(Public Works Contractors License No.)

Bidder must include his affidavit concerning an alcohol and drug-free workplace along with bid.

**CONTRACTOR'S AFFIDAVIT
CONCERNING ALCOHOL AND DRUG-FREE WORKPLACE**

STATE OF _____

COUNTY OF _____

Pursuant to the Idaho Code, §72-1717, I, the undersigned, being duly sworn, depose and certify that _____ is in compliance with the provisions of Idaho Code title 72, chapter 17; that _____ provides a drug-free workplace program that complies with the provisions of Idaho Code, title 72, chapter 17 and will maintain such program throughout the life of a state construction contract and that _____ shall subcontract work only to subcontractors meeting the requirements of Idaho Code, §72-1717(1)(a).

Name of Contractor

Address

City and State

By: _____
(Signature)

Subscribed and sworn to before me this _____ day of _____, _____.

Commission expires:

NOTARY PUBLIC, residing at

SECTION 09900 – TOWER PAINTING

PART 1 - GENERAL

1.01 SUMMARY

- A. Section Includes:
 - 1. Preparation of existing tower surfaces.
 - 2. Protection of existing attachments to tower not receiving paint.
 - 3. Painting of existing tower surfaces.
- B. Related sections: Factory finishing of doors, frames, and casings.

1.02 DEFINITIONS

- A. DFM (dry film mils): Thickness, measured in mils, of a coat of paint in the cured state.

1.03 SUBMITTALS

- A. Product Data: Manufacturer's technical data sheets for each coating.

1.04 QUALITY ASSURANCE

- A. Materials:
 - 1. All coating materials required by this section shall be provided by a single manufacturer, unless otherwise required or approved.
 - 2. For each individual system: Provide primer and other undercoat paint produced by the same manufacturer as finish coat.
- B. Applicator: Firm with not less than 5 years of successful experience in tower painting work similar in scope to work of this project.
 - 1. Maintain throughout duration of the work a crew of painters who are fully qualified to satisfy requirements of the specifications.
 - 2. Applicator must have experience working with FAA and FCC requirements and procedures in tower painting.

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Delivery: Deliver materials in manufacturer's original containers bearing coating name and color, material composition data, date of manufacture, legal notices if applicable, and mixing, thinning, and application instructions.

1.06 PROJECT CONDITIONS

- A. Apply coatings only under the following environmental conditions:
 - 1. Follow manufacturer's instructions for applying paint, maintaining acceptable range of surface and ambient temperatures before, during, and after application of finishes, as required to obtain full cure as indicated by manufacturer's instructions.

1.07 COORDINATION

- A. Coordination: Take precaution to protect co-axial cables, receivers and other related structures secured to tower that are not scheduled to receive paint.

PART 2 - PRODUCTS

2.01 MANUFACTURERS

- A. Products made by one of the following manufacturers will be considered in accordance with standard substitution procedures:
 - 1. Rodda Paint Company, Pigmented Acrylic Emulsion Coating.
 - 2. Sherwin Williams Company, Industrial and Marine Coatings, DTM Acrylic Coating, B66-100 series.

2.02 PRODUCTS

- A. Material Quality:
 - 1. Provide the manufacturer's premium grade product complying with compositional requirements and recommended for anticipated exposures.
- B. Colors, (must meet Federal Standard 595):
 - 1. Aviation White (#17875).
 - 2. Aviation Orange (#12197).

PART 3 - EXECUTION

3.01 INSPECTION

- A. Verify that surfaces and conditions are ready for work in accordance with coating manufacturer's recommendations.

3.02 SURFACE PREPARATION

- A. Apply coatings to surfaces that are clean and properly prepared in accordance with manufacturer's instructions. Remove dirt, dust, rust, grease, oils, and foreign matter. Wire brush any mold that has accumulated on components. Prepare surface for proper texture necessary to optimum coating adhesion and intended finished appearance. Plan cleaning, preparation, and coating operations to avoid contamination of freshly coated surfaces.
 - 1. Do not apply coatings to labels that identify equipment, fire-resistance ratings, etc.
 - 2. Provide protection for non-removable items not scheduled for coating.
 - 3. Protect surfaces not scheduled for coating. Clean, any surfaces inadvertently spattered or coated.
- B. It is the painting contractor's responsibility that surface preparation meets all current OSHA and EPA requirements.
- C. All safety procedures are the contractor's responsibility and must meet OSHA requirements.

3.03 MIXING AND THINNING

- A. Remove and discard any skin formed on surface of coatings in containers. Discard any containers where skin comprises 2 percent or more of the remaining material. Do not add thinner except as specifically recommended (not merely permitted) by the coating manufacturer for proper coating application under the circumstances prevailing at the project site when application equipment recommended by the coating manufacturer is employed. Use only the quantities and the types of thinner recommended.

3.04 APPLICATION

- A. General:
 - 1. Apply coatings in accordance with coating manufacturer's instructions and using application method best suited for obtaining full, uniform coverage of surfaces to be coated.
 - 2. Apply each coat to achieve the dry film thickness per coat recommended by the coating manufacturer. Application rates in excess of those recommended and fewer numbers of coats than specified will not be accepted.
- B. Electrical Items:
 - 1. Do not paint electrical items attached to tower serving other attached items.
- C. If spraying technique is utilized, protect all items not scheduled to paint from overspray.

3.05 PRIME COATS

- A. General:
 - 1. Touch up areas that are showing signs of advanced weathering prior to applying top coats.

3.06 FINISH COATS

- A. Minimum Coating Thickness (one or two coats, depending on application method):
 - 1. Required spreading rate: DFM 2.5 to 4.0.
 - 2. Apply each coat to achieve not less than the dry film thicknesses indicated per coat.
 - 3. Apply additional coats at no additional cost to the owner when necessary to achieve complete hiding, uniform texture, or uniform sheen and appearance.

3.07 CLEANING AND PROTECTION

- A. Cleaning:
 - 1. Clean work area on a daily basis; dispose of spent materials and empty containers. If requested, turn over the architect all empty coatings containers used during the course of each day.
 - 2. Remove all trace of coatings from adjacent surfaces not scheduled to be coated. Remove by appropriate methods that do not damage surfaces.
- B. Protection:
 - 1. Protect work against damage until fully cured. Provide signs identifying wet surfaces until surfaces are adequately cured.

2. Shortly before final completion of the project, examine surfaces for damage to coatings and restore coatings to new, undamaged condition.
3. Touch-up of minor damage will be acceptable where result is not visibly different from surrounding surfaces. Where result is different either in color, sheen, or texture, recoat entire surface.

3.08 SCHEDULE OF COATINGS FOR INTERIOR NONTRAFFIC SURFACES

- A. Steel tower components:
 1. Self Priming Acrylic latex, gloss.

END OF SECTION - 09900

INDEX TO DRAWINGS

SHEET NO.	DRAWING
A1	INDEX TO DRAWINGS, MAP
M1	<u>BASE BID:</u> MOSCOW TOWER KEY PLAN, LOCATION PLAN, GENERAL NOTES, KEYNOTES
M2	MOSCOW TOWER WEST ELEVATION, NOTES
M3	MOSCOW TOWER EAST ELEVATION, NOTES
M4	MOSCOW TOWER SOUTH ELEVATION, NOTES
M5	MOSCOW TOWER PHOTOS, NOTES
M6	MOSCOW TOWER PHOTOS, NOTES
J1	<u>ALTERNATE NO. 1:</u> JEROME TOWER KEY PLAN, GENERAL NOTES, KEYNOTES
J2	JEROME TOWER ELEVATION A, NOTES
J3	JEROME TOWER ELEVATION B, NOTES
J4	JEROME TOWER ELEVATION C, NOTES
J5	JEROME TOWER PHOTOS, NOTES



IDAHO MAP

PROJECT
PAINT TOWERS
IDAHO PUBLIC TELEVISION
MOSCOW & JEROME TOWERS



CASTELLAW ♦ KOM ♦ ARCHITECTS

850 MAIN STREET ♦ LEWISTON, ID. 83501
(208) 746-0183 ♦ FAX (208) 746-7267

SHEET REFERENCE ♦

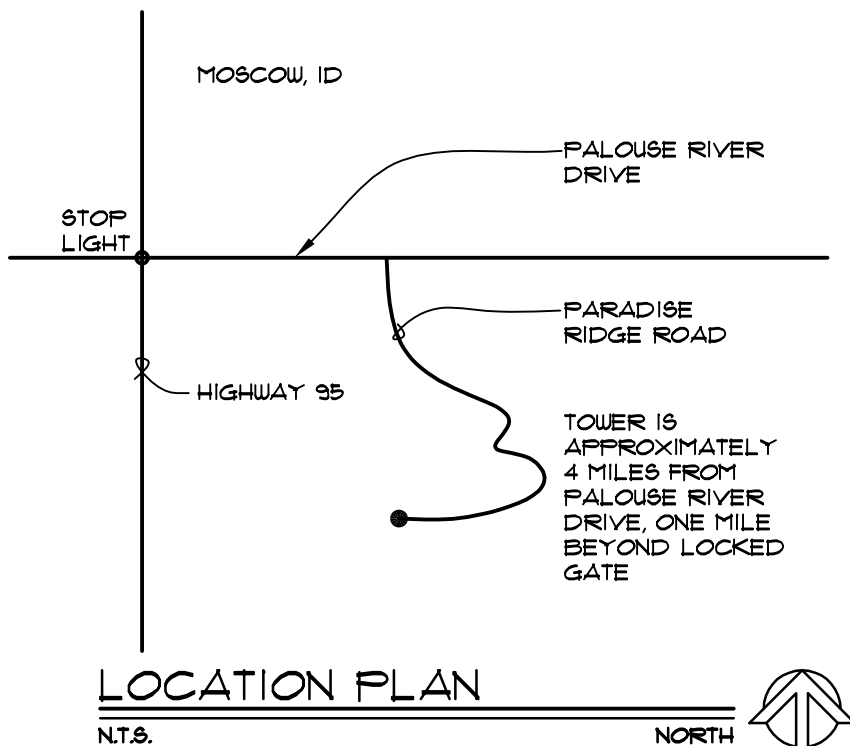
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PROJECT NO. ♦ 03039

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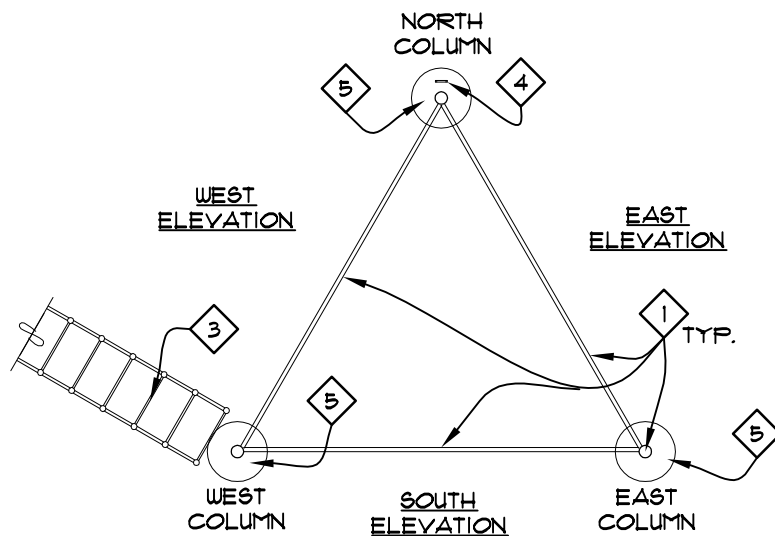
GENERAL NOTES

1. PAINT COLOR LOCATIONS TO MATCH EXISTING. SEE ELEVATIONS FOR LAYOUT.
2. FIELD VERIFY EXISTING CONDITIONS PRIOR TO BIDDING ON THE PROJECT.
3. ALL WORK ASSOCIATED WITH THE MOSCOW (PARADISE RIDGE) TOWER TO BE BASE BID.
4. ALL WORK ASSOCIATED WITH THE JEROME TOWER TO BE ALTERNATE NO. 1.



KEYNOTES

1. TOWER SUPPORTS TO RECEIVE PAINT.
2. ADDED ANTENNA RELATED EQUIPMENT (BY OTHERS) TO REMAIN, (NO PAINT).
3. EXISTING CABLES AND CONDUITS TO REMAIN, (NO PAINT).
4. EXISTING ACCESS LADDER TO REMAIN, (NO PAINT).
5. EXISTING CONCRETE PIERS TO REMAIN, (NO PAINT).



MOSCOW TOWER KEY PLAN

SCALE: 1/16" = 1'-0"

NORTH

BASE BID

PROJECT
PAINT TOWERS
IDAHO PUBLIC TELEVISION
MOSCOW TOWER



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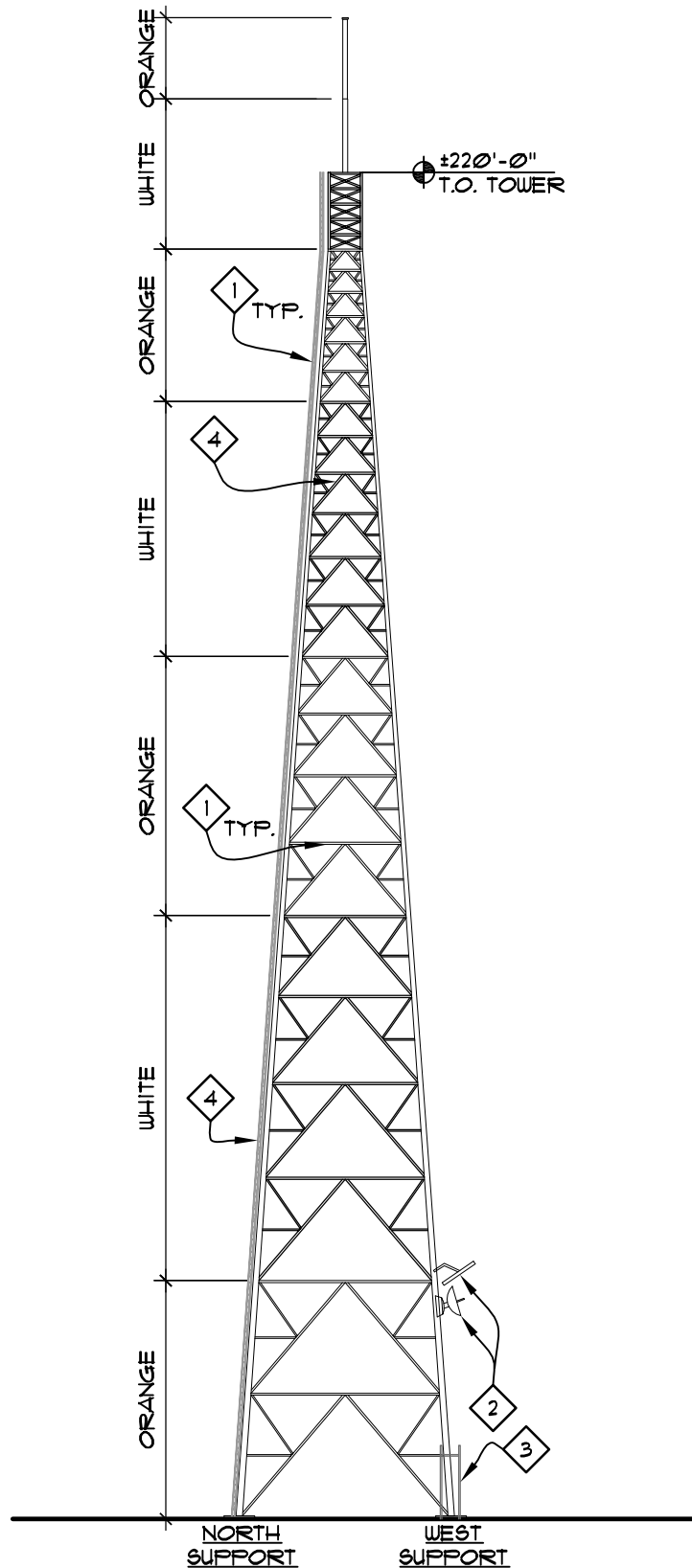
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SHEET

M1

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3. EXISTING CABLES AND CONDUITS TO REMAIN, (NO PAINT).
4. EXISTING ACCESS LADDER TO REMAIN, (NO PAINT).



MOSCOW TOWER WEST ELEVATION

SCALE: 1" = 30'-0"

PROJECT
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MOSCOW TOWER



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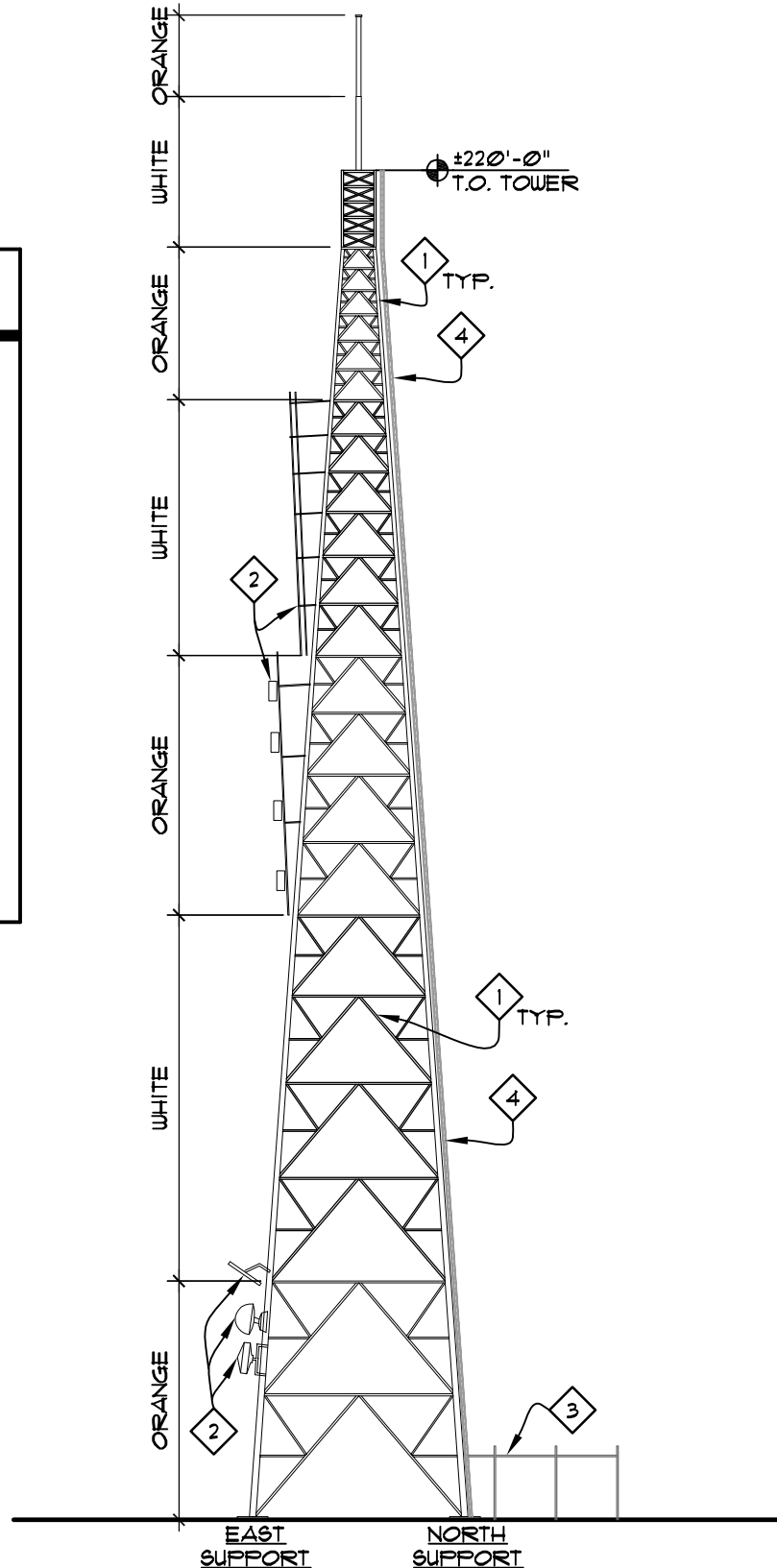
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PROJECT NO. 03039

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M2

KEYNOTES

1. TOWER SUPPORTS TO RECEIVE PAINT.
2. ADDED ANTENNA RELATED EQUIPMENT, (BY OTHERS), TO REMAIN, (NO PAINT).
3. EXISTING CABLES AND CONDUITS TO REMAIN, (NO PAINT).
4. EXISTING ACCESS LADDER TO REMAIN, (NO PAINT).



MOSCOW TOWER EAST ELEVATION

SCALE: 1" = 30'-0"

PROJECT
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MOSCOW TOWER



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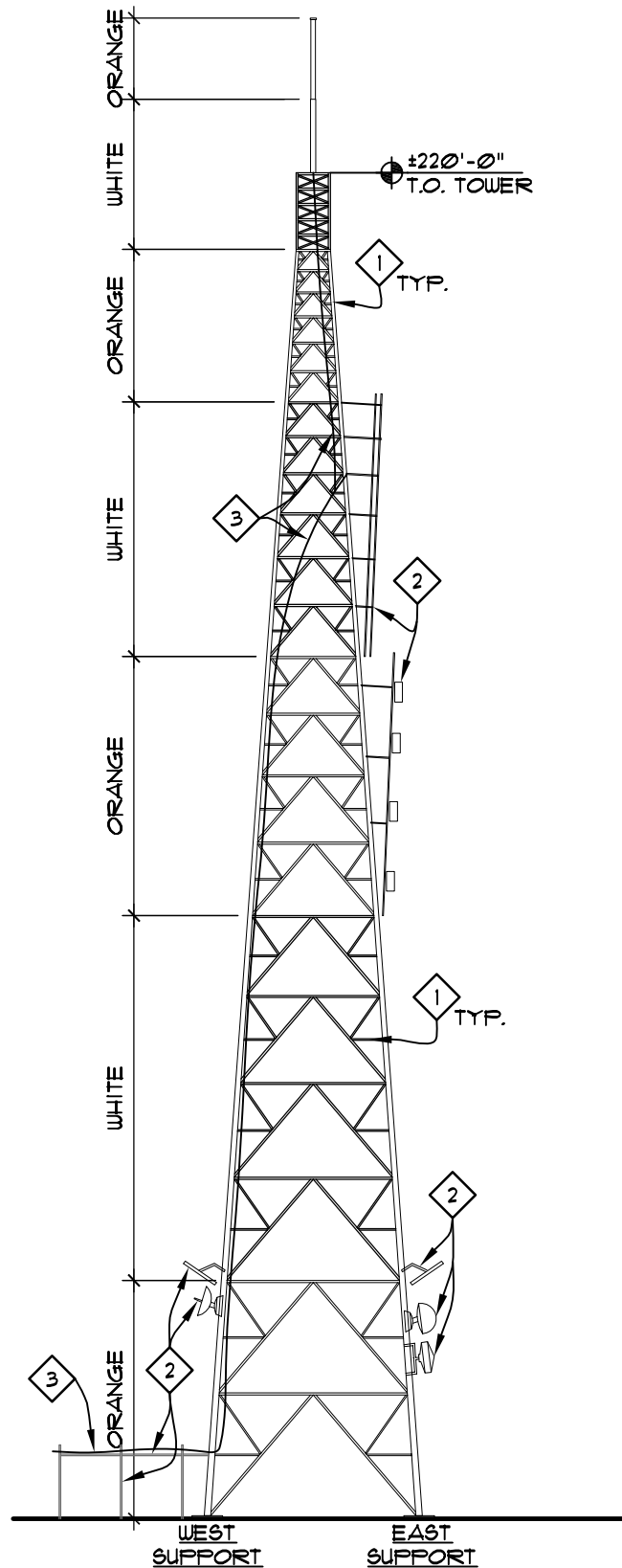
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PROJECT NO. 03039

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M3

KEYNOTES

1. TOWER SUPPORTS TO RECEIVE PAINT.
2. ADDED ANTENNA RELATED EQUIPMENT, (BY OTHERS), TO REMAIN, (NO PAINT).
3. EXISTING CABLES AND CONDUITS TO REMAIN, (NO PAINT).
4. EXISTING ACCESS LADDER TO REMAIN, (NO PAINT).



MOSCOW TOWER SOUTH ELEVATION

SCALE: 1" = 30'-0"

PROJECT
PAINT TOWERS
IDAHO PUBLIC TELEVISION
MOSCOW TOWER



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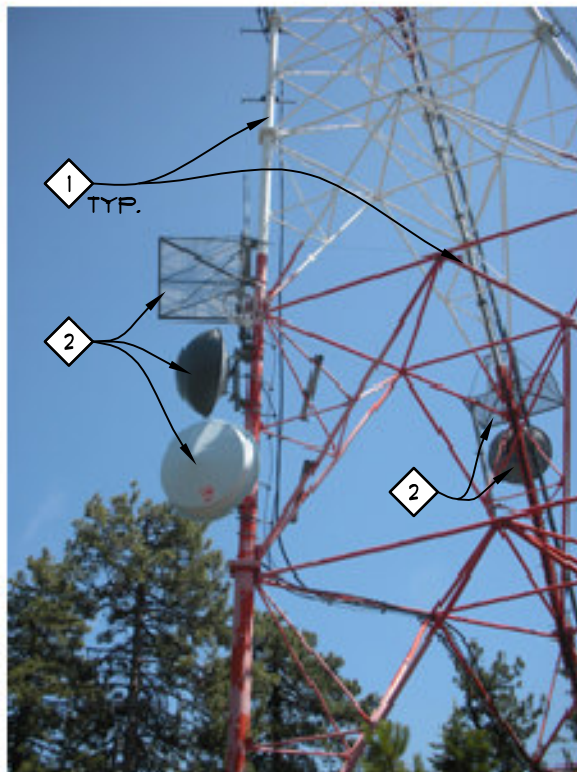
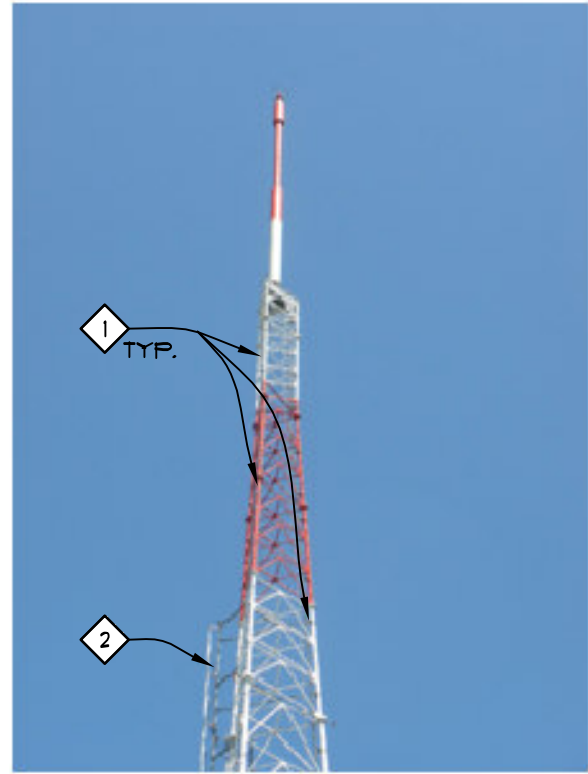
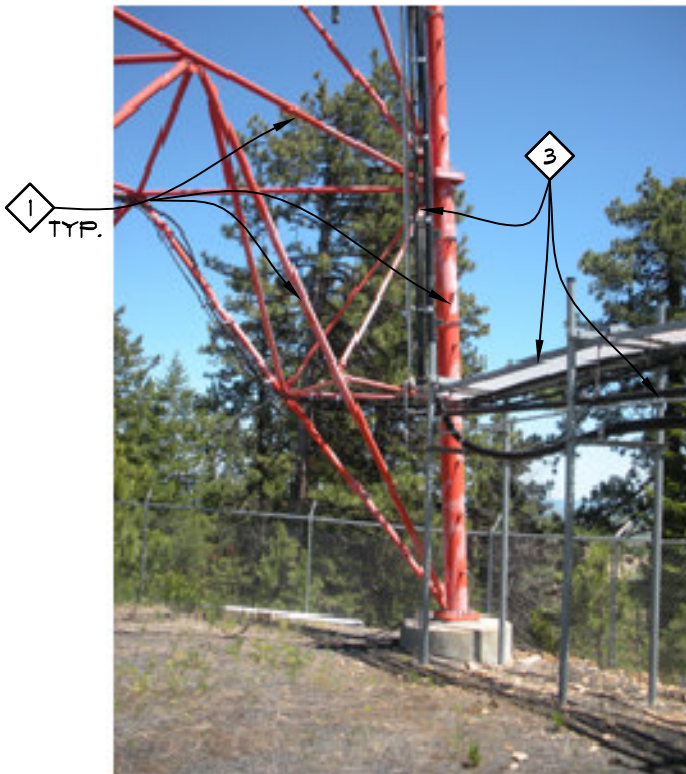
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DATE ♦ 8/05/09
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PROJECT NO. ♦ 03039

SHEET ♦

M4



KEYNOTES

1. TOWER SUPPORTS TO RECEIVE PAINT.
2. ADDED ANTENNA RELATED EQUIPMENT, (BY OTHERS), TO REMAIN, (NO PAINT).
3. EXISTING CABLES AND CONDUITS TO REMAIN, (NO PAINT).
4. EXISTING ACCESS LADDER TO REMAIN, (NO PAINT).

MOSCOW TOWER PHOTOS

PROJECT
PAINT TOWERS
IDAHO PUBLIC TELEVISION
MOSCOW TOWER

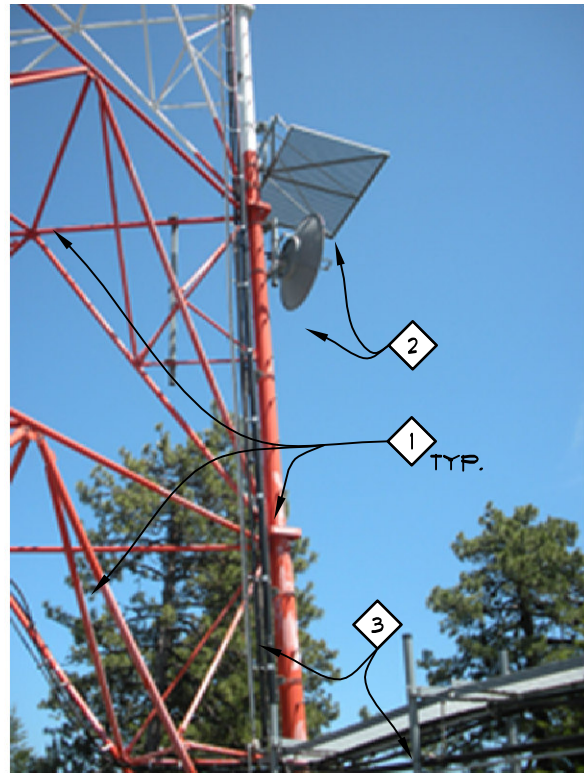
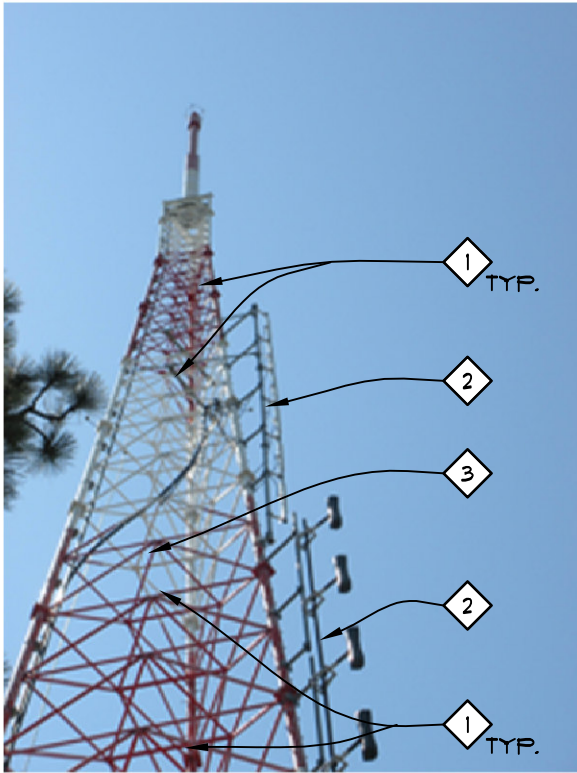


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PROJECT NO. ♦ 03039	M5



KEYNOTES

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3. EXISTING CABLES AND CONDUITS TO REMAIN, (NO PAINT).
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MOSCOW TOWER PHOTOS

PROJECT
PAINT TOWERS
IDAHO PUBLIC TELEVISION
MOSCOW TOWER



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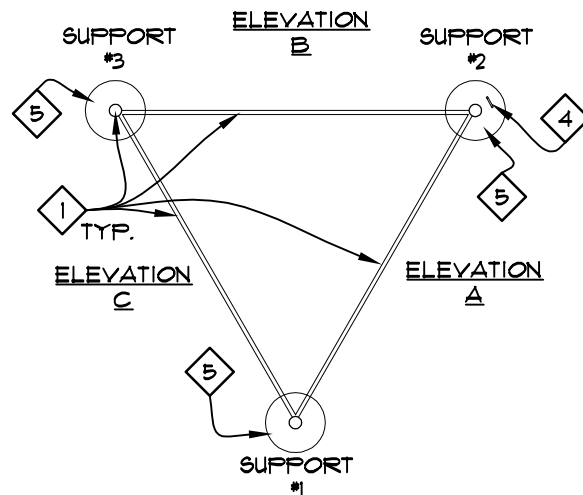
M6

GENERAL NOTES

1. PAINT COLOR LOCATIONS TO MATCH EXISTING. SEE ELEVATIONS FOR LAYOUT.
2. FIELD VERIFY EXISTING CONDITIONS PRIOR TO BIDDING ON THE PROJECT.
3. ALL WORK ASSOCIATED WITH THE MOSCOW (PARADISE RIDGE) TOWER TO BE BASE BID.
4. ALL WORK ASSOCIATED WITH THE JEROME TOWER TO BE ALTERNATE NO. 1.

KEYNOTES

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4. EXISTING ACCESS LADDER TO REMAIN, (NO PAINT).
5. EXISTING CONCRETE PIERS TO REMAIN, (NO PAINT).



JEROME TOWER KEY PLAN

SCALE: 1/16" = 1'-0"

NORTH



ALTERNATE NO. 1

PROJECT
PAINT TOWERS
IDAHO PUBLIC TELEVISION
JEROME TOWER



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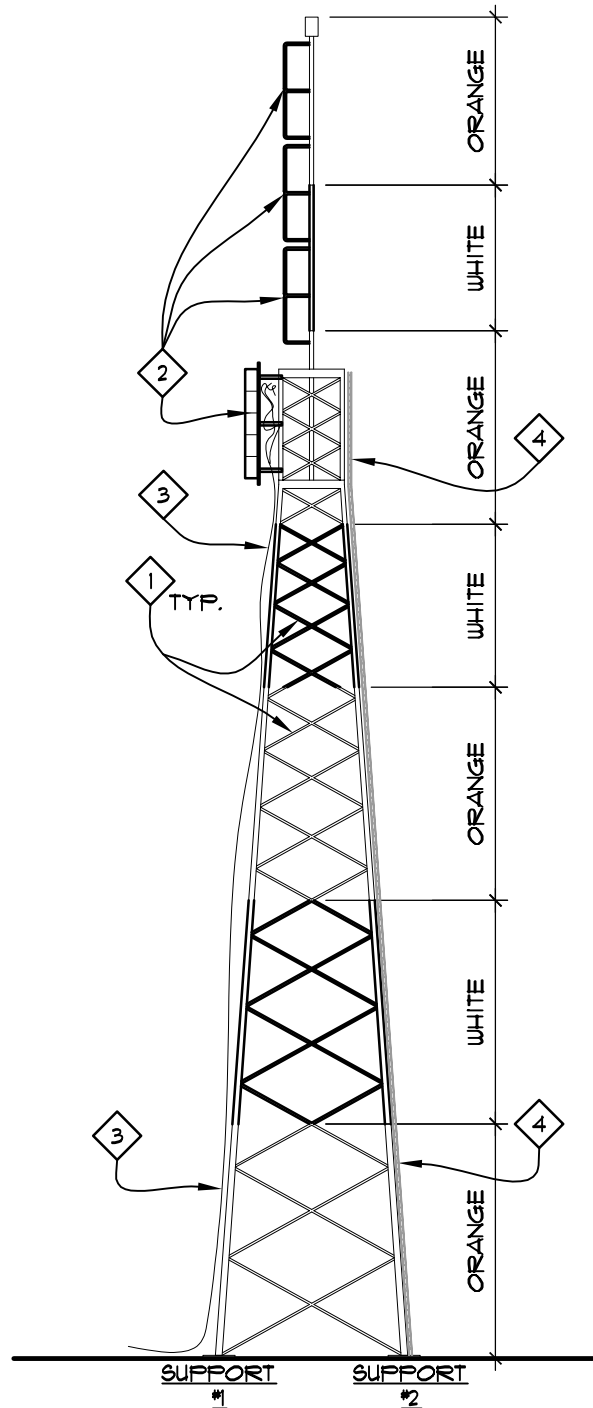
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SHEET ♦

J1

KEYNOTES

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JEROME TOWER ELEVATION A

SCALE: 1" = 30'-0"

PROJECT
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IDAHO PUBLIC TELEVISION
JEROME TOWER



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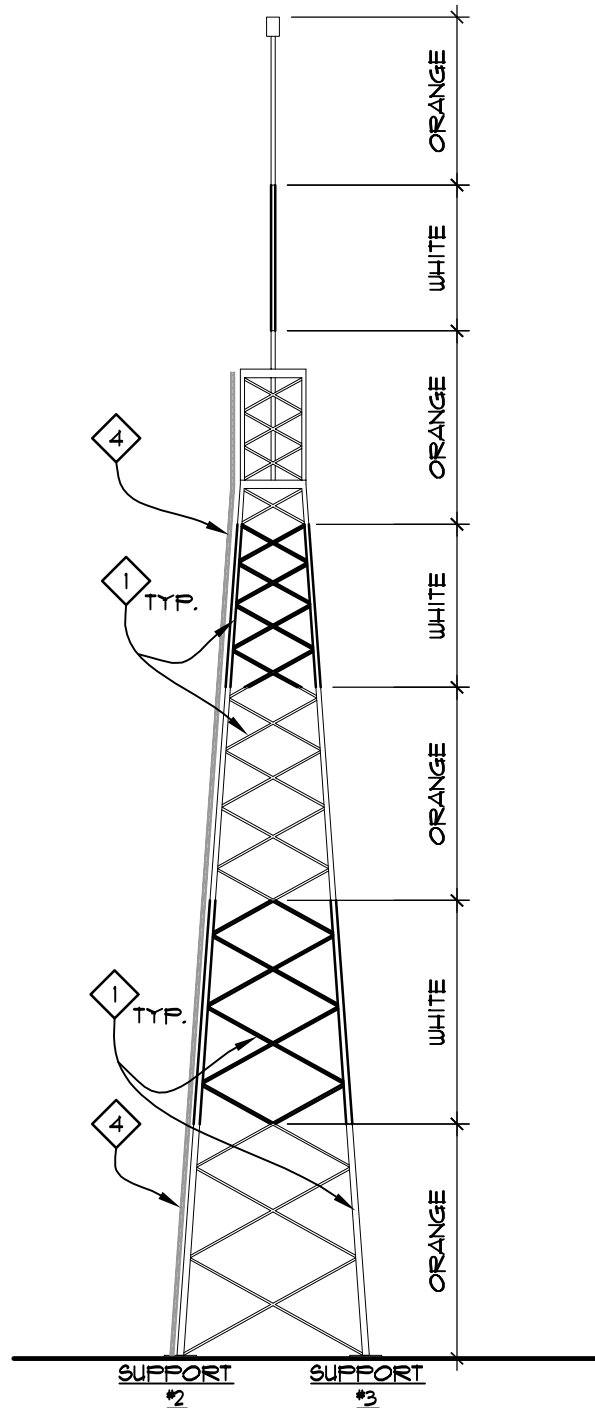
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PROJECT NO. ♦ 03039

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J2

KEYNOTES

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JEROME TOWER ELEVATION B

SCALE: 1" = 30'-0"

PROJECT
PAINT TOWER
IDAHO PUBLIC TELEVISION
JEROME TOWER



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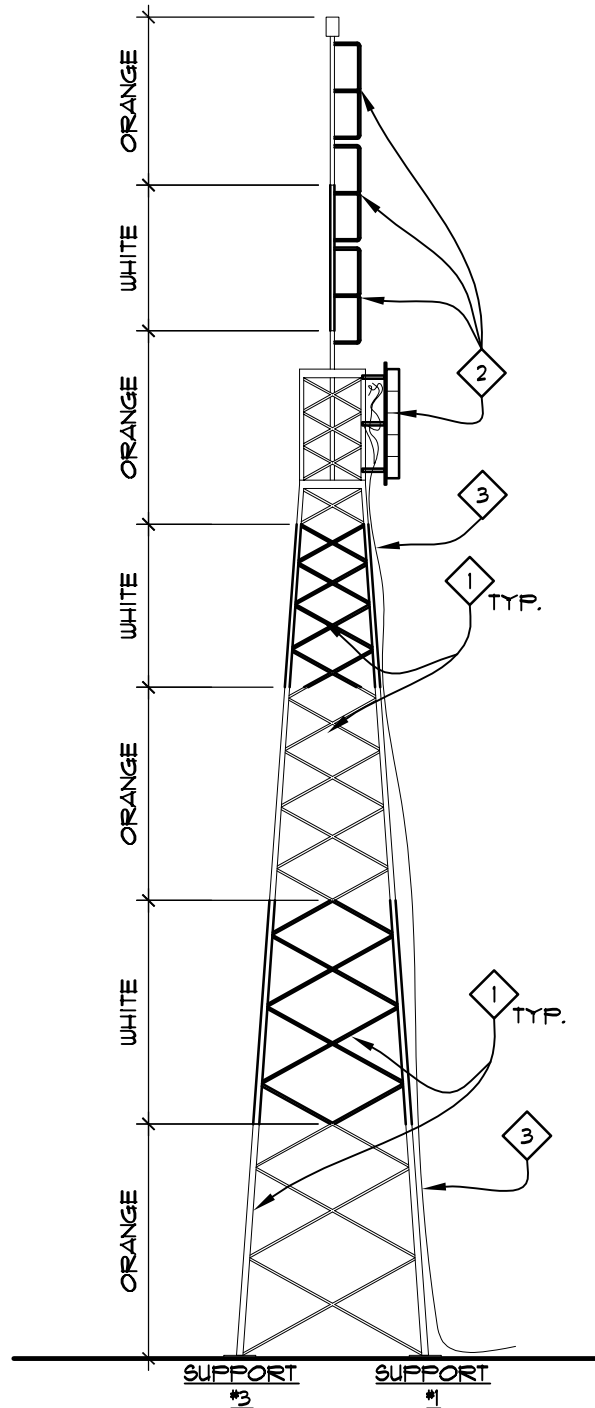
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SHEET REFERENCE

DATE ♦ 8/05/09	SHEET ♦
DRAWN ♦ CLK	
PROJECT NO. ♦ 03039	J3

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JEROME TOWER ELEVATION C

SCALE: 1" = 30'-0"

PROJECT
PAINT TOWER
IDAHO PUBLIC TELEVISION
JEROME TOWER



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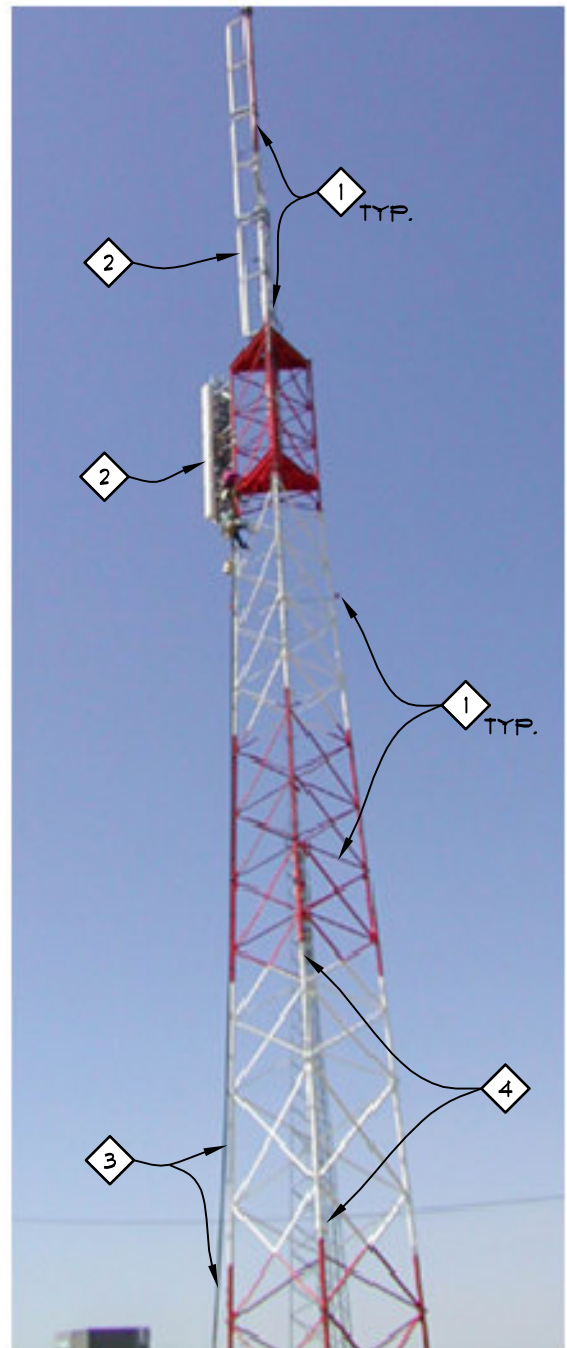
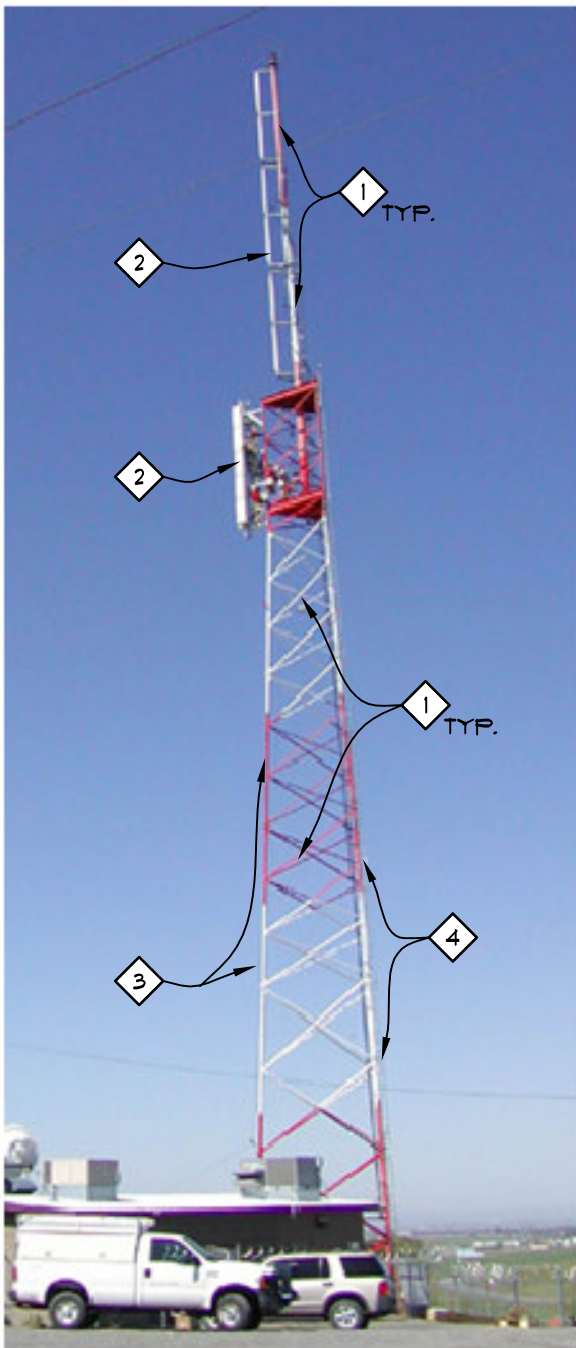
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PROJECT NO. 03039

SHEET

J4



JEROME TOWER PHOTOS

KEYNOTES

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PROJECT
PAINT TOWERS
IDAHO PUBLIC TELEVISION
JEROME TOWER



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DRAWN ♦ CLK
PROJECT NO. ♦ 03039

SHEET

J5